**Cadence Installer**

**1) 1st time Cadence Installers**

Attached Cadence installation version inside cadence\_installer.zip comes with an installer and desktop shortcut so other than installing a terminal shouldn't be needed to launch Virtuoso.

Inside cadence\_installer.zip read file ‘readme.txt’ which has the following instructions:

SETUP INSTRUCTIONS

1. Extract cadence\_installer zip file.

2. Open a terminal in the unzipped directory and run the following command: 'bash INSTALLER.sh'

3. If successful navigate to your Desktop and right click the file 'Run\_Cadence.sh'

4. Navigate to Properties > Permissions > and check 'Allow this File to Run as a Program'

5. You should now be able to launch Cadence by double-clicking the 'Run\_Cadence.sh' file

TROUBLESHOOTING

1. If the desktop shortcut does not appear to be working try manually running the Shortcut by opening a terminal in the shortcut location and executing 'bash Run\_Cadence.sh'

2. If reinstalling make sure to delete the created Cadence folder to ensure a complete reinstall. Make sure to back up your libraries before doing so.

3. You can change the Cadence install location by editing the 'CADENCE\_DIR' variable in 'INSTALLER.sh'

**2) People that have tried to install Cadence and have issues:**

Since you already have an installation on your PC, go into the 'INSTALLER.sh' file and change the 'CADENCE\_DIR' directory to some non-existing directory to ensure that your current install doesn't get overwritten. Here is how INSTALLER.sh should be changed:

#!/bin/bash

# Set this to desired install directory

CADENCE\_DIR=~/cadence

Change directory name to some non-existing directory such as ‘cadence\_ghost’

# Check if Cadence install found, exit if one detected

if [ ! -d $CADENCE\_DIR ]

then

echo "Making Cadence folder at ${CADENCE\_DIR}."

mkdir $CADENCE\_DIR

else

echo "Cadence Installation Found. Please delete ${CADENCE\_DIR} folder and try again."

exit

fi

# Copy files needed files into Cadence folder

cp $(pwd)/bashrc $CADENCE\_DIR/.bashrc

cp $(pwd)/bashrc.cadence $CADENCE\_DIR/.bashrc.cadence

cp $(pwd)/cdsenv $CADENCE\_DIR/.cdsenv

cp $(pwd)/cdsinit $CADENCE\_DIR/.cdsinit

cp $(pwd)/cdslocal $CADENCE\_DIR/.cdslocal

cp $(pwd)/cds.lib $CADENCE\_DIR

cp $(pwd)/runcad $CADENCE\_DIR

cp $(pwd)/settings64.sh $CADENCE\_DIR

# Copy License configuration into home directory

cp $(pwd)/cdsenv\_home ~/.cdsenv

# Copy Desktop Shortcut

cp $(pwd)/Run\_Cadence.sh ~/Desktop

# Make Library Folder

mkdir $CADENCE\_DIR/Libraries

echo "Files successfully copied!"

cd $CADENCE\_DIR

chmod +x runcad

printf "USERDIR=%s\n" $CADENCE\_DIR > ~/.cadence\_config.txt

Now perform instructions from ‘readme.txt’ file as shown in 1) and you should be ready to run Cadence.

**3) Some useful links:**

Cadence tutorial can be found here:

<https://eda.engineering.wustl.edu/wiki/index.php/Cadence>

To accesses Linux machines at Wash U you need to access this link and use your Wash U keys to login:

<https://linuxlab.engr.wustl.edu>